DVD VIDEO

RW DVD+ReWritable

CENTRIOS™

1611304
DVD+R VIDEO RECORDER
USER MANUAL

GB

Progressive Scan · MP3 CD-RW · PICTURE CD COMPATIBLE · S-VIDEO OUT · COMPONENT VIDEO - OUT · DOLBY DIGITAL · COMPACT disc DIGITAL AUDIO · MULTI DISC RESUME PLAY · Hi Multi-screen Format Res

SAFETY

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

WARNINGS:

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

DO NOT REMOVE COVER or OPEN THE CABINET.
Dangerous high voltages are present inside the enclosure. No user serviceable parts inside. Refer servicing to qualified personnel only.

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

LASER:

Type:	Dual semiconductor laser GaAlAs
Wavelength:	650nm and 780nm
Output Power:	7mW
Beam Divergence:	60 degree

INVISIBLE LASER RADIATION WHEN OPEN OR INTERLOCK FAILED OR DEFEATED.

WARNINGS:

DO NOT STARE INTO BEAM. Avoid direct exposure to laser beam.

To prevent direct exposure to laser beam, do not try to open the enclosure.

To ensure proper use of this product, please read this owner manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location.

IMPORTANT SAFETY INSTRUCTIONS ⚠

CAUTION: RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit does not contain any parts that can be repaired by the user.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
- Only use attachments/ accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

PORTABLE CART WARNING

S3125A

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- **Disc Tray**
  Keep your fingers well clear of the disc tray as it is closing. It may cause serious personal injury.
- **Burden**
  Do not place a heavy object on, or step on the product. The object may fall, causing serious personal injury and serious damage to the product.
- **Disc**
  Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.
- **Damage Requiring Service**
  Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - **a)** When the power-supply cord or plug is damaged.
  - **b)** If liquid has been spilled, or objects have fallen into the product.
  - **c)** If the product has been exposed to rain or water.
  - **d)** If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  - **e)** If the product has been dropped or damaged in any way.
  - **f)** When the product exhibits a distinct change in performance - this indicates a need for service.
- **Servicing**
  Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Replacement Parts**
  When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- **Safety Check**
  Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- USA & Canada versions comply with ETL marking.

IMPORTANT SAFETY INSTRUCTIONS

This product incorporates copyright protection technology that is protected by method claims of certain U.S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, 4,819,098, and 4,907,093 licensed for limited viewing uses only.

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Packing

Examine the contents of the box for your Digital Video Recorder.
There should be the following:

- Digital Video Recorder with attached power cord
- Remote Control with 2 batteries
- Instruction Book
- A/V Cable
- TV Antenna Cable
- Warranty Card and registration information

Player Zones

For the purpose of distribution of DVD discs, the world has been separated into 6 zones. The zone your unit is intended for is indicated on the Zone Label. This should be the same as the label on discs available in your region. If you have any difficulties in playing a disc, make sure that the disc is for the same zone as your player.

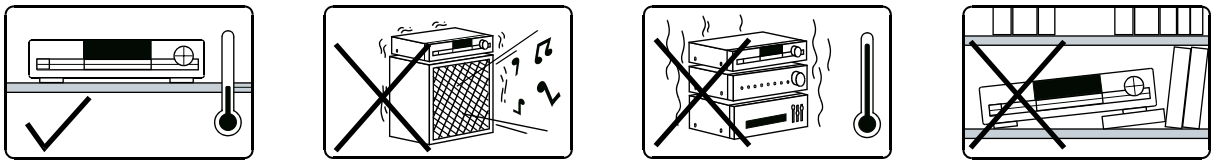
Region 1

Anti-copy Disc Protection

Some DVD discs have protected by Macrovision.
With these discs the playback on a Television are copyright protected, however you will not be able to record this signal on a VCR.

Installation

Install your unit on a stable flat surface. There must be sufficient room in front of the unit for the drawer to be opened and the unit should be positioned so that it can see the remote control.
Do not expose your unit to extremes of temperature or humidity. Avoid standing it on a hot surface such as on top of other hot running equipment and ensure that there is adequate ventilation to the unit.
*** Caution : Do not install this equipment in confined space such as a book case or similar unit!**

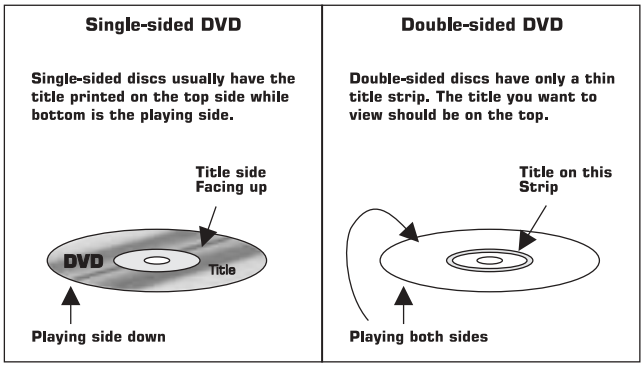


DVD Discs

There are several types of DVD Disc.

Single sided discs.	**They play for approximately**	**2 HOURS**
Single sided two layer discs.	**They play for approximately**	**4 HOURS**
Double sided discs.	**They play for approximately**	**4 HOURS**
Double sided with 2 layers on both sides.	**They play for approximately**	**8 HOURS**

DVD discs have Titles and Chapters. There can be several Titles on one disc and each Title can contain several Chapters. Titles and Chapters are numbered, e.g. Title 1, Title 2 etc. & Chapter 1,2,3 etc.
Usually Title one will show the disc publisher and studio logos. The next Title will be the film. Other Titles contain trailers for other films, production notes, or alternative endings for the film. There are many possibilities with Digital Versatile Disc. Chapters within the main Title allow you to search quickly for a specific point on the disc.
Many discs have a Chapter Menu sometimes called Scene Index or Scene Menu that displays the first shot from each Chapter, which allows you to select a shot and play the disc from that point onwards. DVD discs can be PAL or NTSC. This player can play both types (if the player zone is correct).


Single-sided DVD
Single-sided discs usually have the title printed on the top side while bottom is the playing side.
Title side Facing up
DVD
Title
Playing side down
Double-sided DVD
Double-sided discs have only a thin title strip. The title you want to view should be on the top.
Title on this Strip
Playing both sides

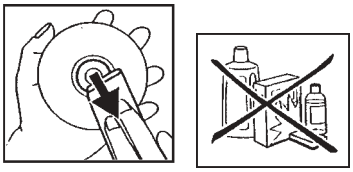
DVD discs allow up to 8 Languages and 32 subtitles on a single disc. You can select and change the language and subtitle to suit yourself and play the whole disc or just part of it and view it from different angles.

Cleaning DVD Discs

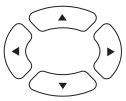
Picture freezing & sound skipping or repeating can occur if the disc inside the player is dirty.

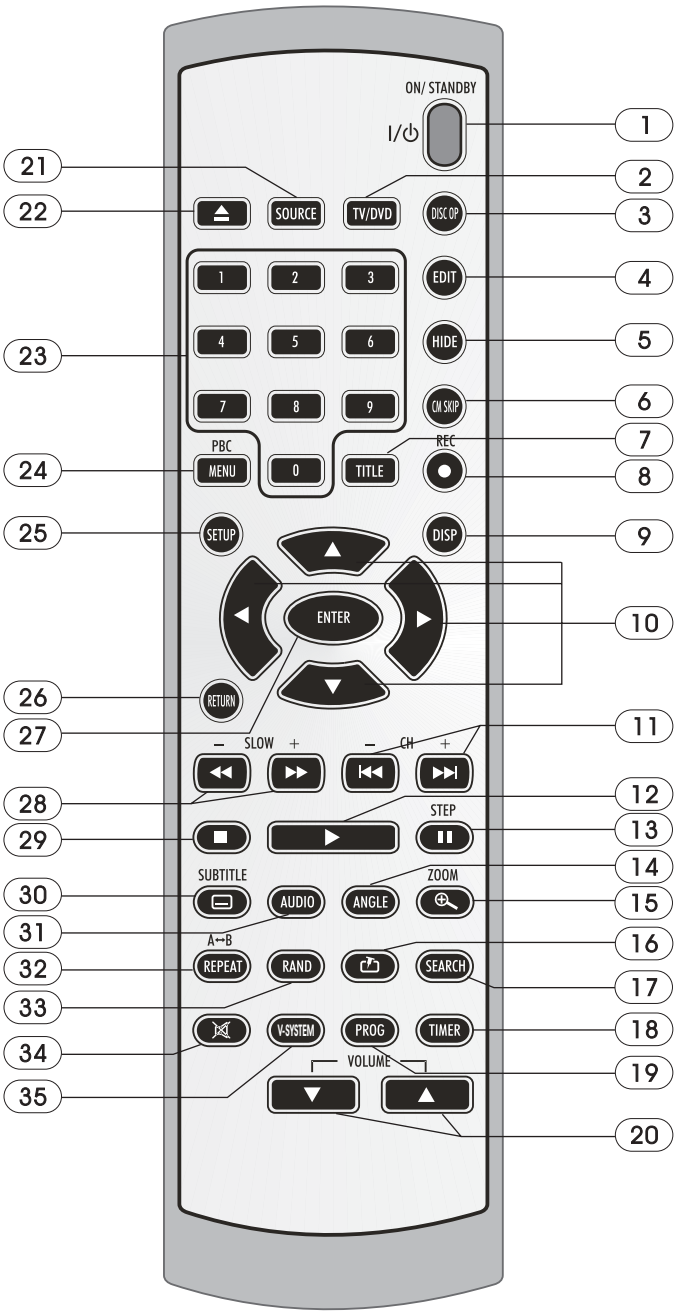
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
- Do not wipe in a circular motion. Circular scratches can cause picture distortion or render the disc unplayable.

CAUTION - Do not use solvents, commercially viable cleaners, or antistatic spray intended for analog discs.



REMOTE CONTROL

1. I/⏻ **ON/STANDBY** toggles between Power On and Standby mode
2. **TV/DVD** switches between TV and DVD mode
3. **DISC OP** Enters DVD+R / DVD+RW operation menu include Disc info, finalize, Title delete, Erase disc, Lock disc, Compatible disc
4. **EDIT** Enters the DVD+R / DVD+RW disc editing menu
5. **HIDE** Makes the entry and exit points for hidden chapters
6. **CM SKIP** Jumps 30 seconds to skip commercial during DVD playback mode
7. **TITLE** Turns on DVD title menu
8. **REC** Starts DVD+R recording with the current source input
9. **DISPLAY** calls up the display menu and disc navigation menu
10.  (Active Navigation keys) advance in indicated directions for making selections in menus
11. ⏮/⏭ (**- CH +**) 1) skips backward/forward in DVD mode to the previous or next chapter/ track, 2) channel up/down in TV mode
12. ▶ starts playing
13. ⏸ pauses playing
14. **ANGLE** switches between different view angles (depends on disc), should press ENTER to confirm selected angle.
15. **ZOOM** selects zooming options when playing DVD by pressing repeatedly
16. **BOOKMARK** bookmarks the current position
17. **SEARCH** Enters the search time
18. **TIMER** enters the Timer setup menu
19. **PROGRAM** programs CD / VCD playback
20. **VOLUME** adjusts volume level
21. **SOURCE** switches between AV1/AV2 signals
22. ⏏ opens or closes the disc tray
23. **0 - 10** (Numeric keys) uses for direct numerical entry or selections of title, chapter, track, tuner channel and time input
24. **MENU / PBC** turns on DVD disc menu; PBC on/ off in VCD mode
25. **SETUP** enters or exits the setup menu
26. **RETURN** exits or returns to the previous menu



27. **ENTER** confirms selection or starts playing
28. ⏪/⏩ 1) starts backward or forward search 2) starts slow forward or backward in Pause mode
29. ■ stops disc playback or recording
30. **SUBTITLE** switches between different subtitles
31. **AUDIO** switches between different audio output mode
32. **REPEAT** toggles between different repeat mode **A - B** repeats a selection from point A to point B
33. **RANDOM** starts playback in random order
34. **MUTE** mutes or unmutes audio output
35. **V-SYSTEM** switches between the different video output modes

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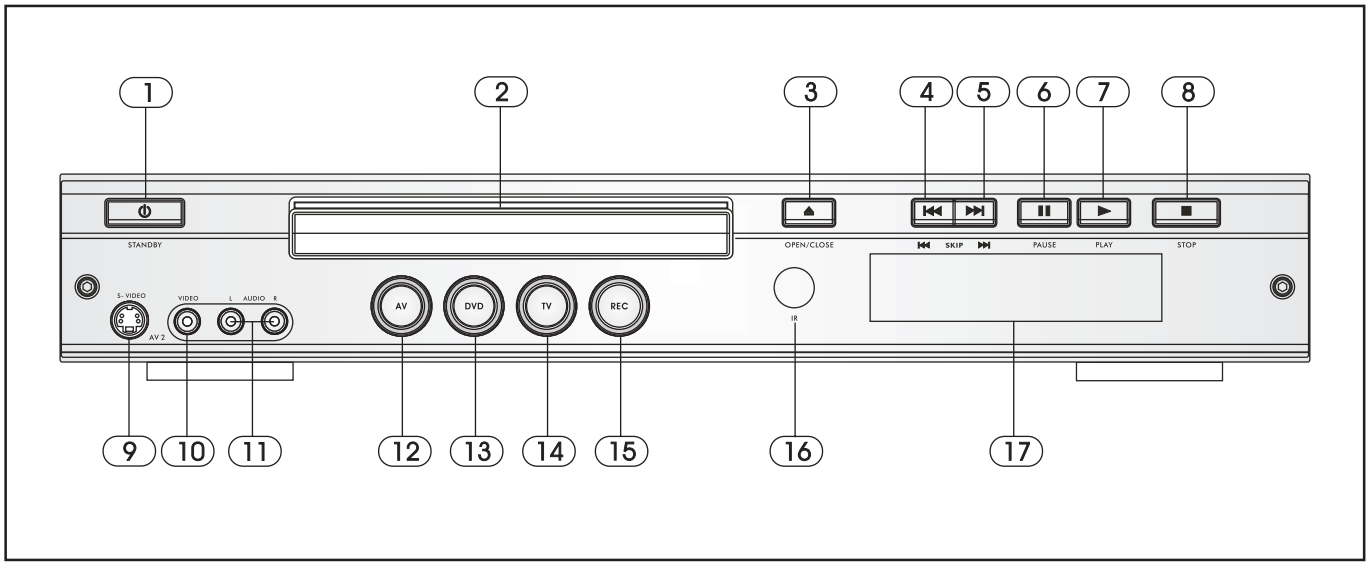
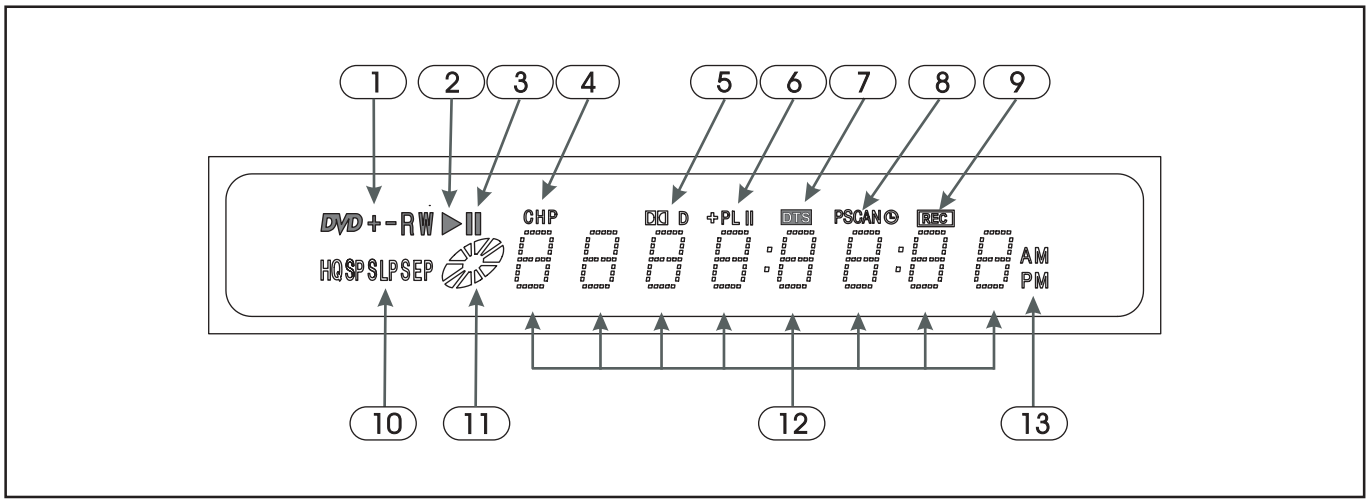
FRONT PANEL



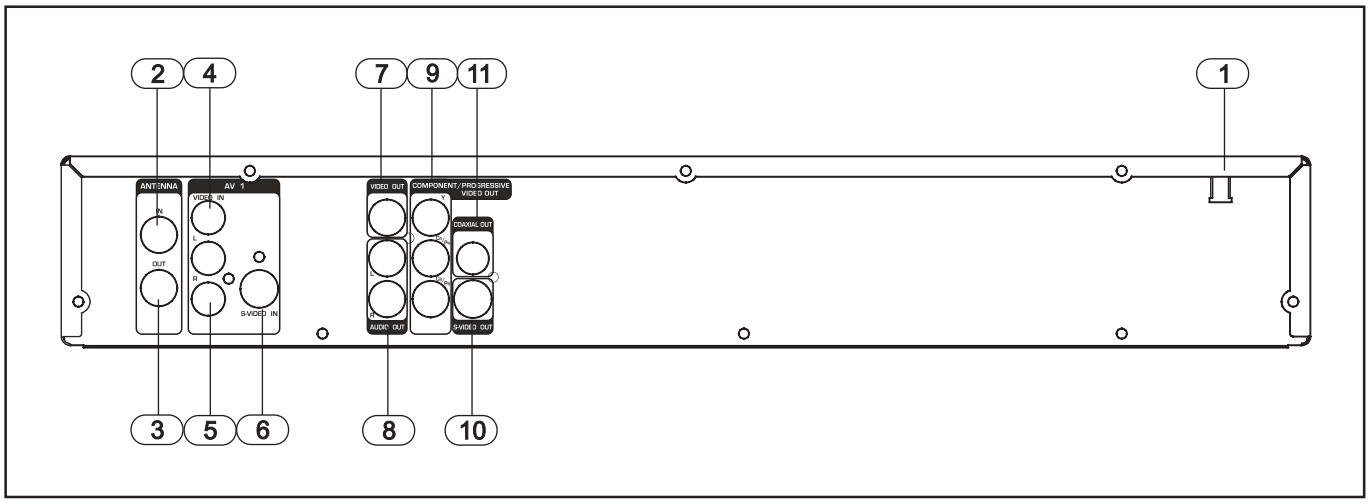
1. Power On / Off
2. Disc Tray
3. ⏏ opens or closes the disc loading tray
4. ⏮ skips to previous chapter/track in DVD mode
5. ⏭ skips to next chapter/track in DVD mode
6. ⏸ pauses playing
7. ▶ starts playing in DVD/CD/VCD mode
8. ■ stops playing or recording
9. **S-Video Input (SAV2)**
   For connecting video signals from the corresponding video out jacks on the auxiliary items. e.g. TV, VCR or satellite receiver
10. **Video Input (AV2)**
    For connecting video signals from the corresponding video out jacks on the auxiliary items. e.g. TV, VCR or satellite receiver
11. **Audio Inputs (AV2)**
    For connecting audio (Left/Right) input signals from auxiliary sources such as VCR, TV or Satellite Receiver
12. **AV** selects different AV as the input source, e.g. AV, SAV, SCART or DV
13. **DVD** enters DVD mode for playing DVD, VCD, CD and so on
14. **TV** switches to TV mode
15. **REC** start recording
16. Infra-Red Receiver Window
17. VFD Display Area

DISPLAY



1. Disc Formats (DVD, DVD+/-RW, DVD+/-R) Indicator
2. Disc Play Status
   Lights up during Playback
3. Pause Indicator
4. Channel/Chapter indicator
5. Dolby Digital Indicator
6. Dolby Pro Logic II Indicator
7. DTS Indicator
8. Progressive Scan On Indicator
9. Recording Indicator
10. Record Quality Indicator (HQ, SP, EP, SLP)
11. Disc Spinning Speed Indicator
12. Alphanumeric Display
13. AM/PM Indicator

REAR PANEL



IMPORTANT!
Connect the AC cord only after the antenna and all optional equipment have been connected.
Never make or change any connections when the power is switched on.
The rating plate is located at the rear panel of the unit.

1. **Power Cord**

2. **Antenna In**
   Antenna or cable input.

3. **Antenna Out**
   Antenna loop through output.

4. **Video Input (AV1)**
   For connecting video signals from the corresponding video out jacks on the auxiliary items, e.g. TV, VCR or satellite receiver.

5. **Audio Inputs (AV1)**
   For connecting audio (Left / Right) input signals from auxiliary sources such as VCR, TV or Satellite Receiver and playing them through this Digital Video Recorder.

6. **S-Video Input**
   For connecting video signals from the corresponding S-Video out jacks on the auxiliary items, e.g. TV, VCR or satellite receiver.

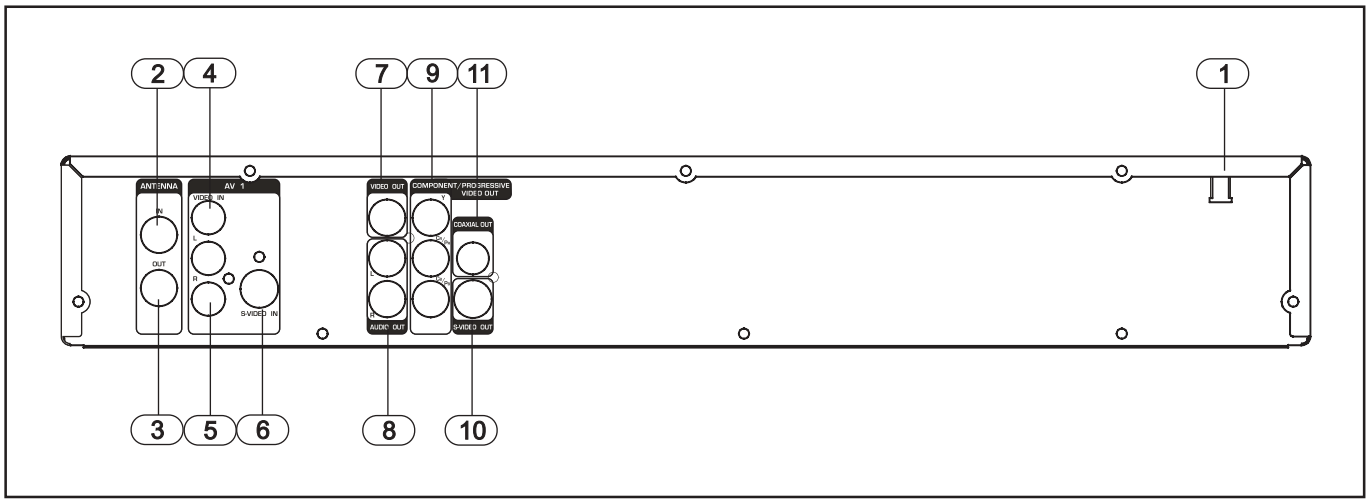
7. **Composite Video Output**
   For connecting to TVs (Most TVs have this type of connections. If your TV has Component or S-Video inputs, a better picture will be obtained).

8. **Composite Audio Output**
   For connecting to TVs (Most TVs have this type of connections. If your TV has Component or S-Video inputs, a better picture will be obtained).

9. **Component Video & Progressive Outputs**
   For connecting TV with component video input (using component video cable, not provided).

10. **S-Video Output**
    For connecting the S-VIDEO IN jack on the TV using an optional S-Video cable. This type of connection will provide superior picture quality. However, your TV must be equipped with an S-Video input socket.

REAR PANEL



11. Digital Coaxial Output

For connecting an external equipment that has digital audio input jack, such as a CD recorder.

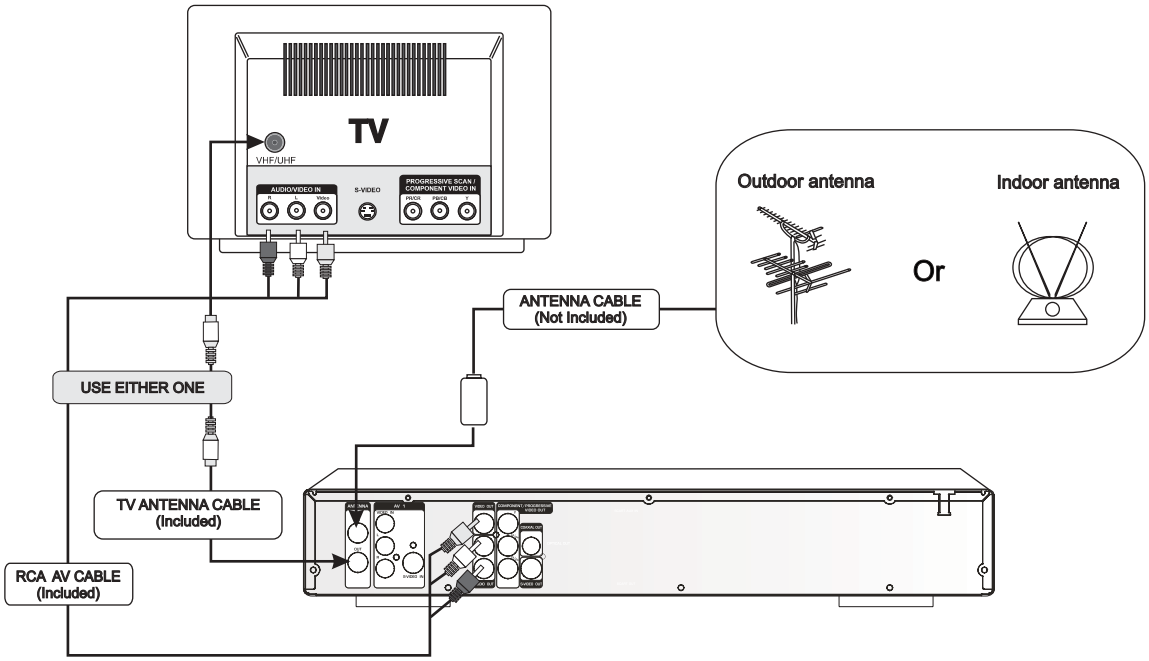
SETUP AND INSTALLATION

The following setup and installation diagrams show the different video and audio connections to TV, Receiver and Other video equipment.

Important

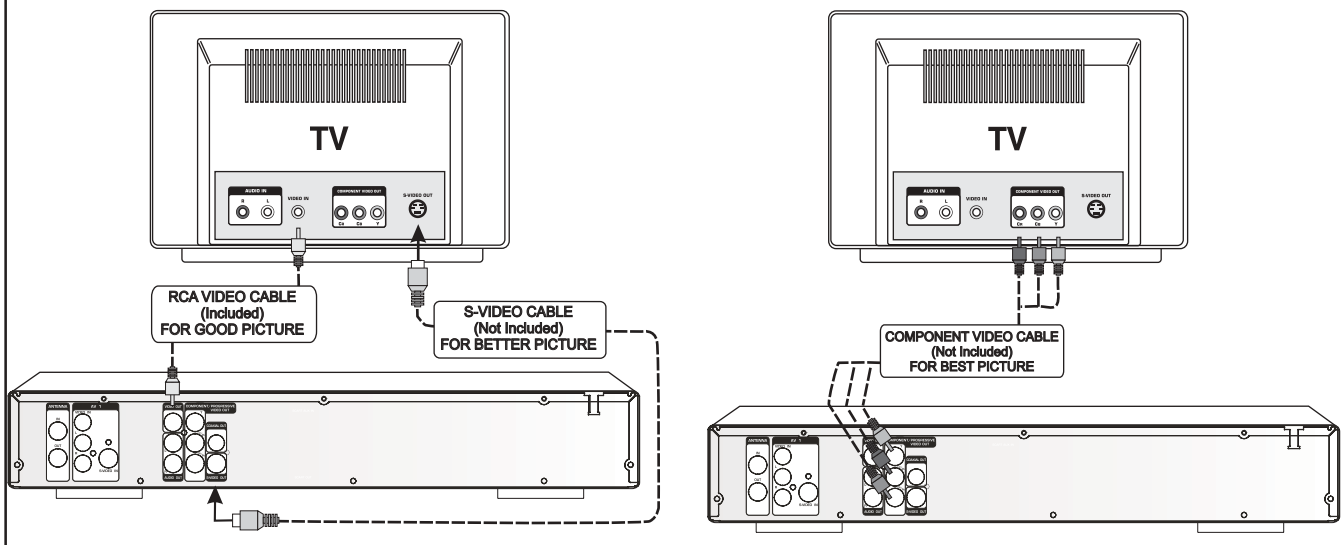
Make sure the AC Voltage matches your local voltage.
Connect the AC cord only after the antennas, and all optional equipment are connected.

(1) Antenna and television connections



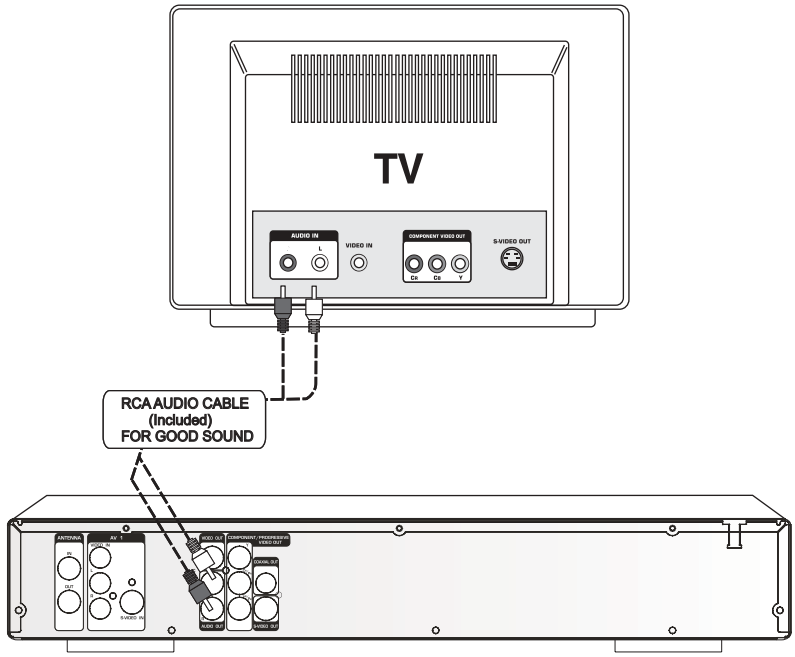
REMARK: FOR RF LOOP THROUGH FUNCTION, CONNECT UP BOTH ANTENNA CABLE & TV ANTENNA CABLE.

(2) Video connections

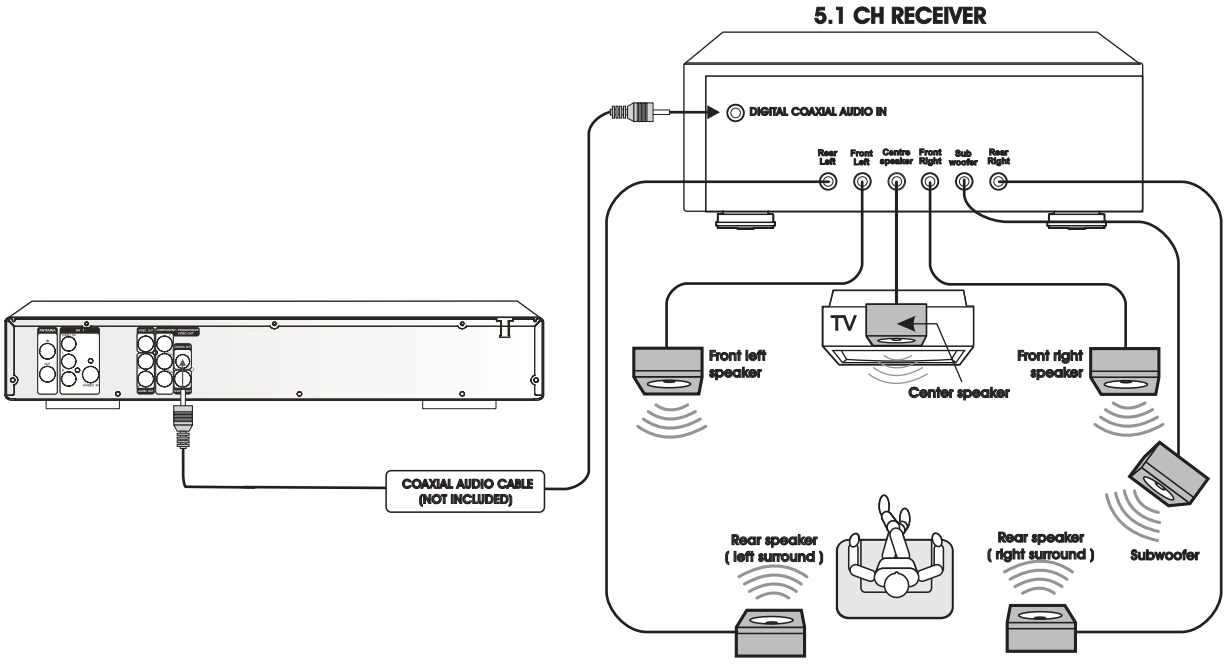


REMARK: PLEASE ENSURE YOU SELECT THE CORRECT VIDEO OUTPUT. REFER TO CH2. 4 OR P16.

(3) Audio connections



Connecting to 5.1ch receiver



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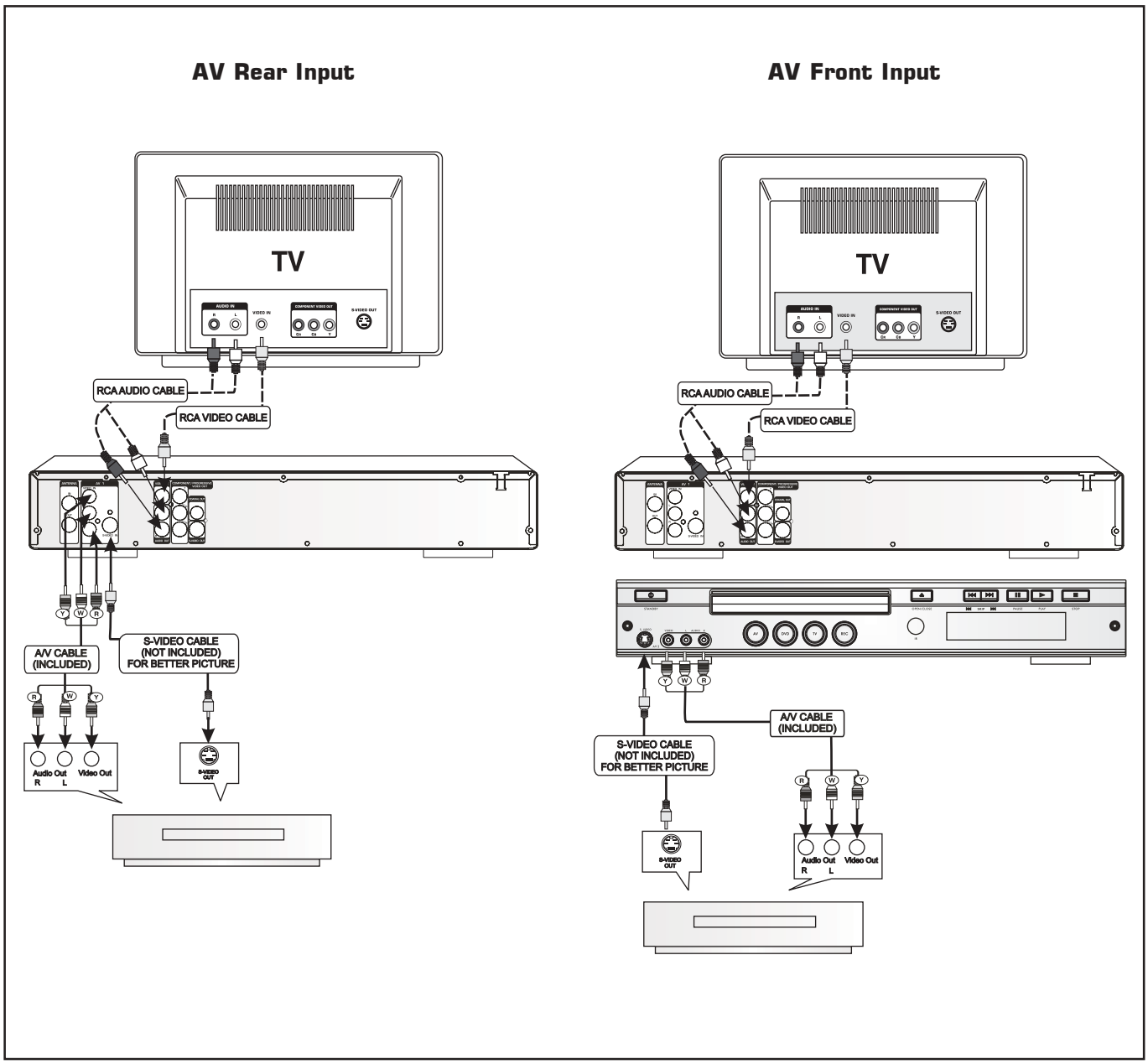
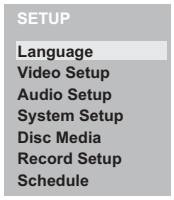
(4) AV Signal connections

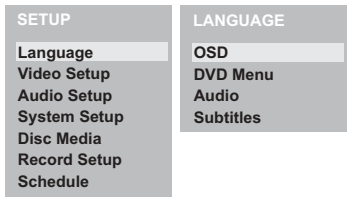


DVR SYSTEM SETUPS



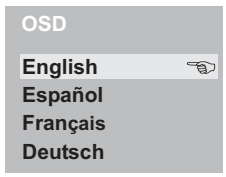
You can customize the unit setting by accessing the Setup Menu. Pressing SETUP on the remote control, the Setup Menu will appear on the TV screen. Use Active Navigation keys to make selection . Press ◄ to return to the Setup Menu and press SETUP again to exit the Setup Menu.

1. Language Setup



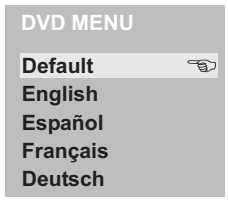
Use the Active Navigation keys to select Language, and press ENTER to confirm.

1.1 OSD (ON SCREEN DISPLAY)



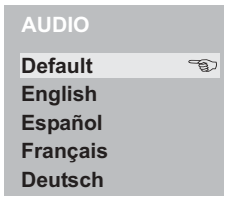
- Use ▲ or ▼ to highlight OSD and press ENTER.
- Use ▲ or ▼ to select the OSD language you prefer , press ENTER again to confirm.

1.2 DVD MENU



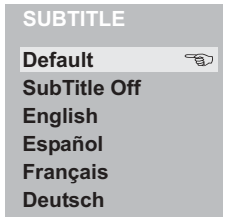
- Use ▲ or ▼ to highlight DVD MENU and press ENTER.
- Use ▲ or ▼ to select the language you prefer , press ENTER again to confirm.

1.3 AUDIO



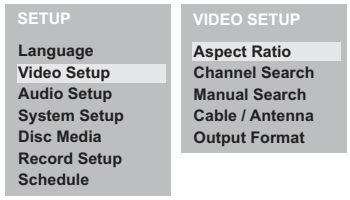
- Use ▲ or ▼ to highlight DVD MENU and press ENTER.
- Use ▲ or ▼ to select the language you prefer , press ENTER again to confirm.

1.4 SUBTITLE



- Use ▲ or ▼ to highlight SUBTITLE and press ENTER.
- Use ▲ or ▼ to select the subtitle language you prefer , press ENTER again to confirm.

2. Video Setup



Use the Active Navigation keys to select Video Setup, and press ENTER to confirm.

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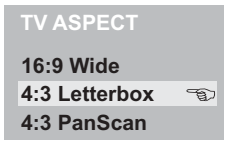
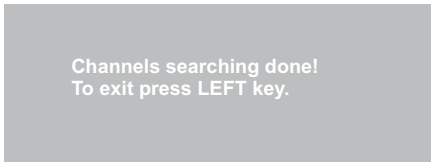


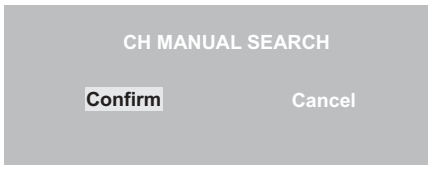
2.1 TV ASPECT

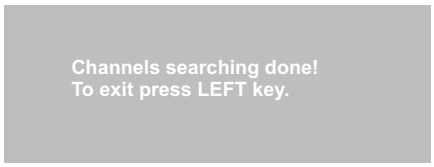
- Use ▲ or ▼ to select TV Aspect option according to your TV type, and press ENTER to confirm.
  For a wide-screen (16:9) TV, select "16x9 wide screen"
  - for a 16:9 movie, you will have full screen viewing.
  - for a 4:3 movie, black bars will appear on the left and right sides of the screen.
  For a conventional 4:3 TV, select either "Letterbox" or "PanScan"
  - if you select 4:3 Letter Box for a 16:9 movie, black bars will appear at the top and bottom of the screen.
  - if you select 4:3 PanScan for a 16:9 movie, the left and right edges of the screen are hidden.
  - if you select either 4:3 Letter Box or 4:3 PanScan for a 4:3 movie, you will have full screen viewing.



2.2 CHANNEL SEARCH

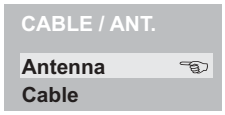
- Use ▲ or ▼ to highlight CHANNEL SEARCH and press ENTER to confirm.
- Press ENTER to start Channel Search.
- During auto-searching, press STOP to cancel searching.
- When the channel searching is completed, the found channels will be displayed on the screen.
- Press LEFT to exit and return to the main menu.





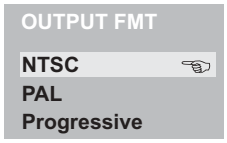
2.3 MANUAL SEARCH

- Select a desired channel location with ⏮ ⏭ on remote control.
- Use ▲ or ▼ to highlight Manual Search and press ENTER to confirm.
- Select Video and Audio system to match your TV or other equipment, press ENTER to confirm.
- Press ENTER to start Channel Manual Search.
- The found channels will be displayed on the screen one by one.
- Press ENTER to confirm. Press LEFT to retrieve. Press STOP to exit and return to the main menu.



2.4 CABLE / ANTENNA

- Use ▲ or ▼ to highlight CABLE / ANTENNA and press ENTER.
- Use ▲ or ▼ to select between Antenna & Cable to match your TV setting, press ENTER again to confirm.



2.5 OUTPUT FORMAT

- Use ▲ or ▼ to highlight OUTPUT FORMAT and press ENTER.
- Use ▲ or ▼ to select among NTSC, PAL & Progressive to match your TV or other equipment, press ENTER again to confirm.

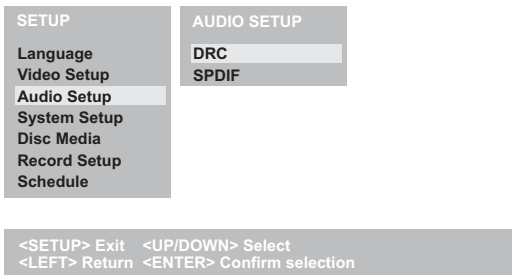
  Progressive:

  By displaying all the lines of a picture simultaneously (instead of displaying odd and even lines alternatively such as a conventional TV). Progressive Scan greatly enhance picture resolution while minimizing distortion and flickering.

  To use this feature, your TV must be Progressive Scan compatible with Component Video Output jacks connected to the DVD unit.

3. AUDIO SETUP

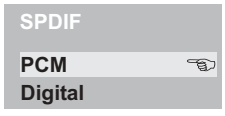
Use the Active Navigation keys to select Audio Setup, and press ENTER to confirm.



3.1 DRC

- Use ▲ or ▼ to highlight DRC and press ENTER.
- Use ▲ or ▼ to turn DRC on/off, press ENTER again to confirm.

  This controls the Dynamic Range Compression (DRC) for night time listening. DRC reduces the difference bewteen normal voices and sounds such as explosion to avoid waking your neighbours. The amount of range control available depends on the disc.



3.2 SPDIF

- Use ▲ or ▼ to highlight SPDIF and press ENTER.
- Use ▲ or ▼ to select between PCM and Digital, press ENTER again to confirm.

  Select the Digital option for Audio connection to a non DTS or Dolby decoding external amplifiers & PCM option for decoding equipped amplifiers.

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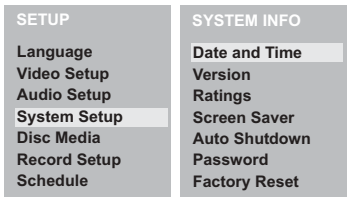


4. System Setup

Use the Active Navigation keys to select System Setup, and press ENTER to confirm.

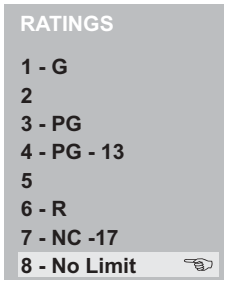
4.1 DATE & TIME

- Use ▲ or ▼ to highlight Date & Time and press ENTER.
- Use ◄ or ► to highlight field and use ▲ or ▼ to change Date & Time, press ENTER again to confirm.

4.2 VERSION

- Use ▲ or ▼ to highlight Version and press ENTER.
- The information of system version will show on the screen , press ENTER again to confirm.

4.3 RATINGS



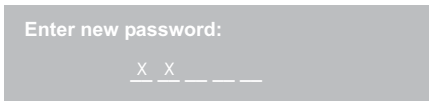
- Use ▲ or ▼ to highlight Ratings and press ENTER.
- Use ▲ or ▼ to select the Ratings option, press ENTER again to confirm.
  For initial access of Ratings, a password needs to be set up. Please refer to "Password" option on the same menu.

4.4 SCREEN SAVER

- Use ▲ or ▼ to highlight Screen Saver and press ENTER.
- Press ENTER again to confirm turn on/off the Screen Saver.

4.5 AUTO SHUTDOWN

- Use ▲ or ▼ to highlight Auto Shutdown and press ENTER.
- Press ENTER again to confirm turn on/off the Auto Shutdown.
  When the Auto Shutdown is turned on, the player will shut down automatically after it is stopped for a period of time.

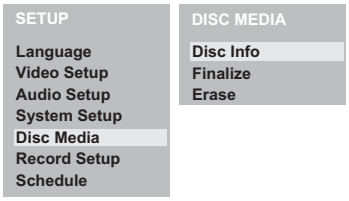


4.6 CHANGE PASSWORD

- Use ▲ or ▼ to highlight Password and press ENTER.
- The Enter password window will show on the screen, input your password and press ENTER again to confirm.
- Input new password and re-input to confirm.
- Press ENTER to save the new password.

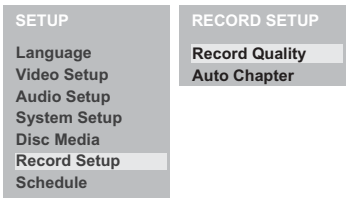
4.7 FACTORY RESET

- Use ▲ or ▼ to highlight Factory Reset and press ENTER.
- Press ENTER again to confirm or cancel the Factory Reset. This is an initial set and you need to confirm it before start using the DVR player.



5. Disc Media

Please refer to Editing a Disc of DVD+RW on page 28 for details.



6. Record Setup

Please refer to Recording on page 24 for details.

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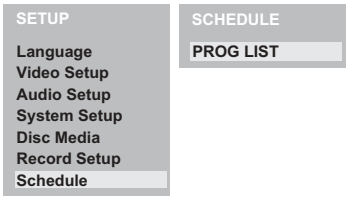
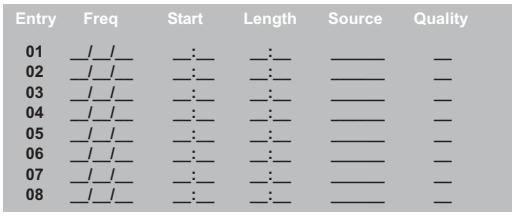


7. Schedule

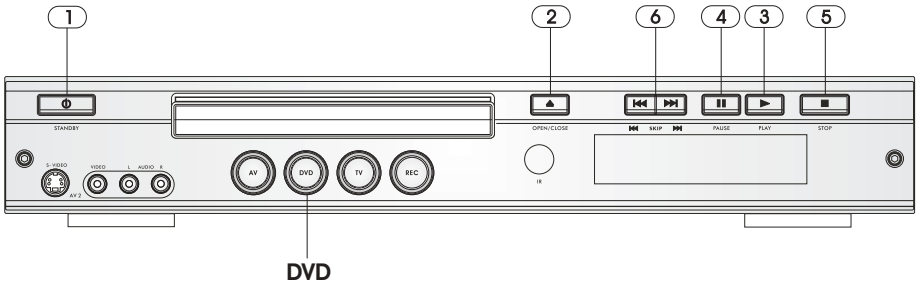
Use the Active Navigation keys to select Schedule, and press ENTER to confirm.

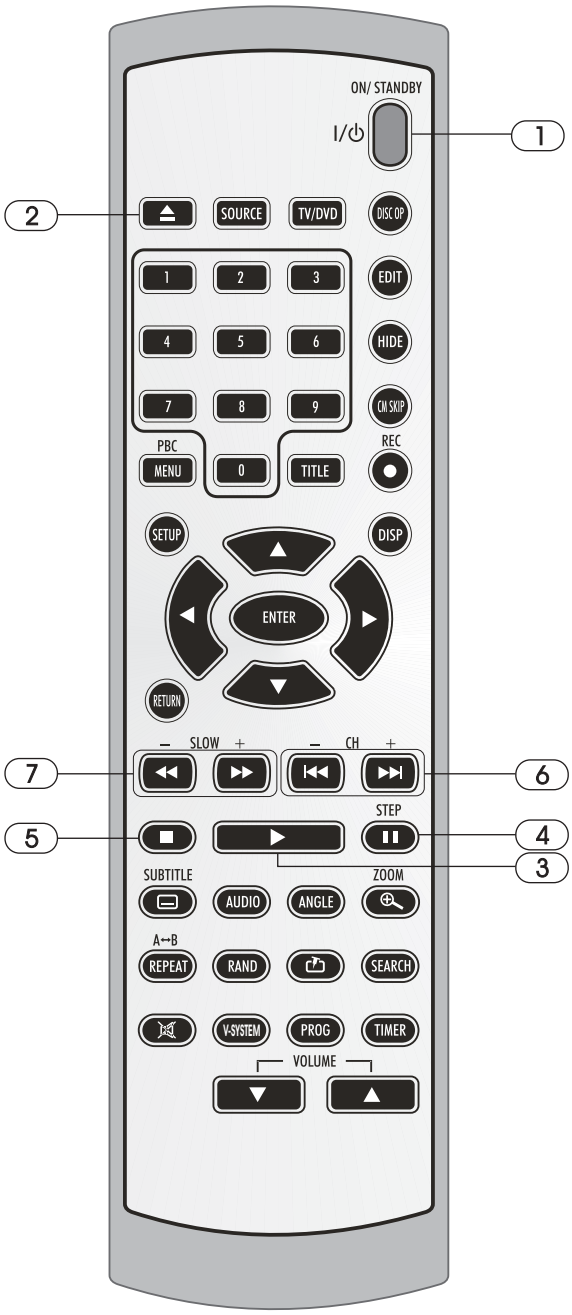


7.2 PROG LIST

- Use ▲ or ▼ to highlight Prog List and press ENTER.
- The program list will appear on screen, use ▲ or ▼ to select the program you want, and press ENTER again to confirm.
  Remark: Please allow approx. 5 minutes gap between the ending of one program to the beginning of next program.

PLAYING DISC





REMARK: Set Up menu can accessed during playback to adjust different setting by pressing the SET UP button.

Basic Playback

1. Press DVD Power to switch the unit on, the default mode is DVD.
   - The DVD button lights up on the unit.

2. - Press [OPEN/CLOSE] to open the disc tray.
   - Load the disc on the tray with the label side facing upward.
   - Press [OPEN/CLOSE] to close the tray.

3. Play
   - Press [ENTER/PLAY] or ▶ to start the disc playback.

4. Pause
   - Press [PAUSE] on the remote or ❚❚ on the front panel during playback.
   - Press [ENTER/PLAY] or ▶ to resume normal play.

5. Stop & Resume
   - Press ■ once to enter resume mode; press [ENTER/PLAY] to resume playback from the stop point.
   - Press ■ twice to stop completely; press [ENTER/PLAY] or ▶ to start playback from the beginning.

6. Skipping
   - Press ⏮ ⏭ to skip forward or backward a chapter or track.
   - Press [ENTER/PLAY] or ▶ to resume normal playback].

7. Fast Search
   - Press ◀◀ ▶▶ to search forward or backward quickly.
   - Press [ENTER/PLAY] or ▶ to resume normal playback].

Slow Motion/ Frame by frame (DVD/VCD)
- While paused
  Press ◀◀ ▶▶ to start forward or backward slow motion play.
  Press ❚❚ repeatedly to move forward frame by frame.
  Press [ENTER/PLAY] or ▶ to resume normal playback.

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Active Navigation & Info Bars

All playback operation can be operated by the navigation. During playback, press DISPLAY to access the info bar:

- Use ◄ or ► to highlight an option and press ENTER to enter it.
- Press ENTER to confirm your settings.
- Press RETURN to return to the info bar.
- Press DISPLAY again to exit the info bar.

Note: The info bars are not displayed on one screen, you must use ◄ or ► to access different fields of info bars.

For DVD

Title

Select to choose an available title with ▲ or ▼ or by inputting numbers .

Chapter

Select to choose an available chapter with ▲ or ▼ or by inputting numbers.

Timer

Goto the point you want to start from by inputting the time.

Audio

Select your desired audio setting if available on the disc. You can also press [AUDIO] on the remote control to make direct selection.

Subtitle

Select to choose an available subtitle with ▲ or ▼ if available on disc. Press [SUBTITLE] on the remote control to access this directly.

Repeat

Repeat playback of the whole section of disc, title or chapter by selecting "Disc", "Title" or "Chapter". Select "Off" to return to normal playback.

Timer Display Mode

Select to choose an available timer display mode with ▲ or ▼. The Timer will display with correspondent mode.

For CD

Track
Select to choose an available track with ▲ or ▼ or by inputting numbers .

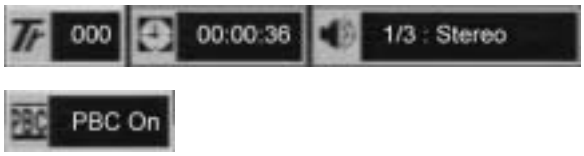
Timer
Goto the point you want to start from by inputting the time.

Play Mode
Set your preferable playback mode such as PROGRAM, RANDOM and various repeat mode with ▲ or ▼. Press [RANDOM] repeatedly on the remote control to make direct selection.

Repeat
Repeat playback of the whole section of disc or track by selecting "Disc" or "track". Select "Off" to return to normal playback.

Timer Display Mode
Select to choose an available timer display mode with ▲ or ▼. The Timer will display with correspondent mode.

For VCD



Track
Select to choose an available track with ▲ or ▼ or by inputting numbers .
(Not available when PBC ON)

Timer
Goto the point you want to start from by inputting the time. (Not available when PBC ON)

Audio
Select your desired audio setting if available on the disc. Press [AUDIO] on the remote control repeatedly to make direct selection.

PBC
Select to turn the PBC On/Off if available on disc.

For MP3

Play Mode
Set your preferable playback mode such as PROGRAM, RANDOM and various repeat mode.

Repeat
Repeat playback of the whole selected section. The available options are "File", "Folder", "Disc", "Play File", "Play Folder" & "Play Disc". Select "Off" to return to normal playback.

Timer Display Mode
Select to choose an available timer display mode with ▲ or ▼. The Timer will display with correspondent mode.

Programming Example (CD)

- During playback, press STOP to stop disc playing.
- Press PROG on remote control to access the programming play list.
- Use ◄ or ► to select the track list button.
- Use ▲ or ▼ to select tracks you want to play, and press ENTER to add it to the right button.
- To clear tracks you have selected and added to the right button, use ◄ or ► to switch to the selected track list, press ENTER to delete your selection.
- To play CD program, use ◄ or ► to highligh Play icon and press ENTER to start playing.
- To clear all seletions you have added in the right button, use ◄ or ► to highlight the Clear All and then press ENTER to clear them.
- Press RETURN to return to normal playback.

Notes on A-B Repeating (DVD)

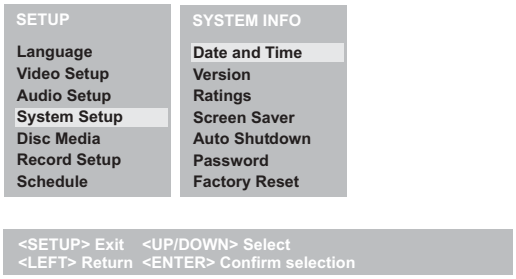
- During playback, press REPEAT at the start point of the passage you want (A), press REPEAT again at the end of the passage (B). The passage will then be repeated continuously between point A and B.
- Press REPEAT again to resume normal playback.

Notes on Angle Viewing

- For discs that can be shown in different angles, you may use ANGLE on remote control to access angle viewing funtion.
- Press ANGLE, the angle info bar is displayed on the screen. Press ENTER to confirm.
- Use ▲ or ▼ to switches among different angles.
- Press ENTER to confirm selection, the disc will be displayed at your selected angle.

Record Setup

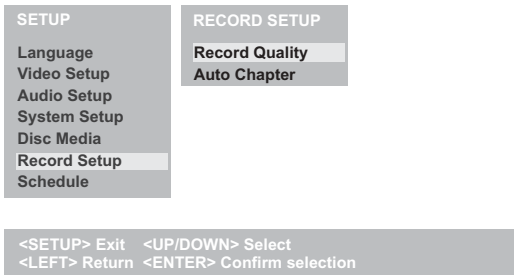
Before start the timer recording, you should setup your system as below.



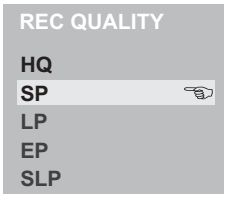
Date and Time Setup

- Press SETUP to access the setup menu.
- Use active navigation keys and ENTER key to access the Date and Time setup, press ENTER to confirm again.

- The Date & Time submenu window is displayed on the Screen. Use active navigation keys to select and change the date and time as per your local clock. Press ENTER to save the change.



- Use ▲ or ▼ to highlight Record Setup, and press ENTER to confirm.



Record Quality

- Use ▲ or ▼ to highlight Rec Quality and press ENTER.
- Use ▲ or ▼ to select the record quality option you want, and press ENTER again to confirm. The available options are HQ, SP, LP, EP & SLP. Sugget to always select HQ to get the highest definitions.

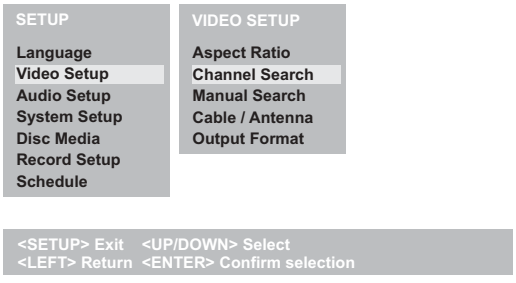
Auto Chapter

- Use ▲ or ▼ to highlight Auto Chapter and press ENTER.
- Use ▲ or ▼ to select On or Off to turn on/off the auto chapter, and press ENTER again to confirm. This function dividess the recorded disc into chapters automatically.

TV Recording - Standard

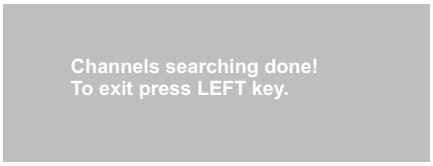
To record TV programs, you should do the TV channel searching first.

- In TV mode, press SETUP to access the setup menu.
- Use ▲ or ▼ to highlight Video Setup, and press ENTER to confirm.



Channel Search

- Use ▲ or ▼ to highlight Channel Search, and press ENTER to confirm.
- The unit will start search TV channel automatically. This will take several minutes to complete.
- During auto-searching, press STOP to cancel searching.
- When the channel searching is completed, the found channels will be displayed on the screen.
- Press ENTER to confirm and ◄ to exit.



Manual Search

- You may also get access to TV tuning by Manual Search. First, select the desired channel location before the search.
- Use ▲ or ▼ to highlight Manual Search, and press ENTER to confirm. The unit will start Manusearch.
- The found channels will be displayed on screen one by one. Press Enter to confirm the result. Press LEFT to retrieve. Press STOP to cancel.

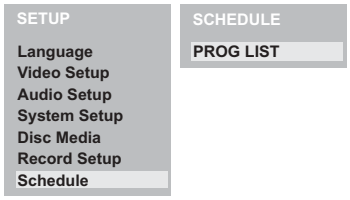
Recording

- Make connections illustrated as page 11-13.
- Insert a recordable DVD+RW or DVD+R into the disc tray. If it's a new disc, the system will format it automatically.
- After a while, a menu will pop up on the screen showing the disc information as name, size, etc.
- In TV mode, press REC to start recording, the REC icon will be displayed on the TV screen.
- Press PAUSE to suspend the recording when needed. The PAUSE icon will be displayed on the TV screen. Press PAUSE again to restart recording.
- During TV recording, press REC once, the unit is set to record for 30 minutes, press REC twice, the unit is set to record for another 30 minutes, and the set time is shown on the screen accordingly.

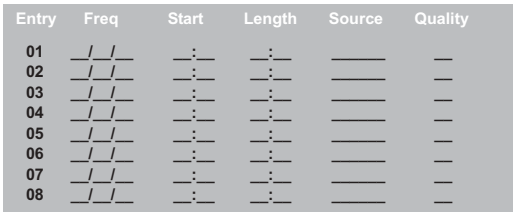
- Press STOP to quit recording. Wait until the recording is completed successfully when the WAIT icon disappears on screen.
- Switch the unit to DVD mode, use active navigation keys to highlight the title you desire and press ENTER or PLAY to start playing the title you selected.

Scheduled Recording

Scheduled Record



- Get access to the Prog List under Schedule on Setup menu, press ENTER to confirm. Or press TIMER to access the Record Prog List.
- Use ▲ or ▼ to select one Entry, and press ENTER to display the Entry editing window.
- Use ◄ or ► to select field of record settings.
- Use ▲ or ▼ to change your settings, or input your settings with numeric keys.
- When the Timer record setting is completed, press ENTER to confirm.
- The unit will record the schedule automatically if without any operation for a moment.



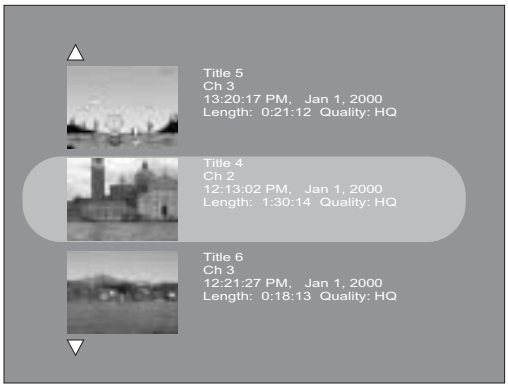
- You may use ► to delete your scheduled record settings.

External signals Recording

- Make connections illustrated as page 13, which shows various connections to the unit with AV1/ AV2/SCART cables.
- Insert a recordable DVD+RW or DVD+R into the disc tray.
- After a while, a menu will pop up on the screen showing the disc properties such as name, size, etc.
- Use "SOURCE" button on remote control or AV on front panel to select different AV source.
- In AV mode, press REC to start recording.
- Press PAUSE or STOP to suspend the recording. In DVD mode, the recorded title index menu will display on screen.
- Use active navigation keys to highlight the title you desire and press ENTER or PLAY to start playing the title you selected.

External Signals Timer Record

- Following the first three steps as above external signals recording.
- Get access to the Prog List as stated on top of this page, following the steps of timer record settings, press ENTER to save.
- The unit will record the schedule automatically if without any operation for a moment.



Editing the content of DVD+RW

- Insert a recorded DVD+RW on the disc tray. The Title Index Menu will pop up.
- Use active navigation keys to highlight the title you want to edit.

Title Editing

- Press EDIT to display the title edit bar on the screen.
- Use ▲ or ▼ make a selection, press ENTER to confirm your selection.
- Press EDIT again to exit the menu.

Protect/Unprotect Title:
To protect / unprotect the selected title from being erased.
Erase Title:
To erase title when the it's unprotected.
Play full title:
To start playing the full title.
Make Compatible:
To make your disc compatible with other DVD player.
Edit Title:
To edit the selected title name.

Note: Press STOP twice to exit the Title Index Menu, press TITLE to show the Title Index Menu again.

Chapter Editing

- During Title playback, press EDIT to display the chapter editing bar.
- Use ▲ or ▼ to select an option and press ENTER to confirm your selection.
- Press EDIT again to exit the menu.

Insert chapter:
To add a chapter at the current point.
Remove chapter:
To remove the current chapter setting.
Hide chapter:
To hide the current chapter when it's visible.

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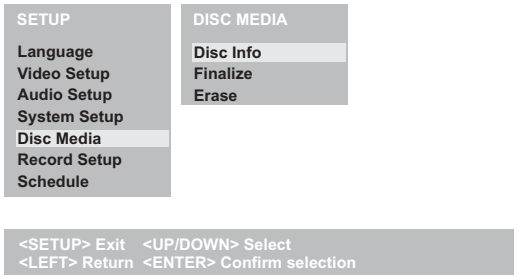
Show chapter:

To show the current chapter when it's invisible. To access this function, you must select "Play full title" option on Title Editing menu. During playback of the full title, the status of hidden chapters will be displayed on screen.

New picture:

To make the current picture the cover of the title.

Disc Media Editing



Info

- Insert a DVD+RW on the disc tray.
- Press SETUP to access the Setup menu, use active navigation keys to select the Disc Media, press ENTER, Disc Media options will be shown on the screen.
- You may also access to the Disc Info by pressing DISC OP on the remote control.
- Use ▲ or ▼ to highlight the "Disc Info" icon, press ENTER to confirm.
- The disc information is displayed on the screen.

Finalize

- Use ▲ or ▼ to highlight the "Finalize" icon and press ENTER. It will take several minutes to finalize the disc.

Note:

- ***If a DVD+R has been finalized, you can not record or edit the DVD+R any more.***
- ***If you want to make your disc compatible with the other DVD player, you should go on FINALIZE operation.***

Erase

- Use ▲ or ▼ to highlight the "Erase" icon and press ENTER.
- The system will start erasing the disc.

TROUBLESHOOTING - PROBLEM ?

If it appears that your unit is faulty, first consult this checklist. It may be that something simple has been overlooked.

Under no circumstances should you try to repair the player yourself; as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.

NO POWER
- Check if the on/off button on the front of the player is set to on.
- Check if power plug of the mains cord is properly connected.
- Check if there is power at the AC outlet by plugging in another appliance.

NO PICTURE
- Check if the TV is switched on.
- Select the correct AV input on the TV
- Check the video connection between your DVR and TV.
- Check if channel selector is set on AV on the TV. (See your TV manual for instructions).
- Try the progressive/Interlace [I/P] key on your remote control.
- Try to use normal video output (not S-Video or YPrPb) and do the setup first.

DISTORTED PICTURE
- Check the disc for fingerprints and clean with soft cloth, wiping from center to edge.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

COMPLETELY DISTORTED PICTURE
- The disc format is not according to the TV-set used (PAL/NTSC).
- Check the Setup menu (See DVD Main Page - Preferences - Video Output).

NO COLOUR IN PICTURE
- The disc format is not according to the TV-set used (PAL/NTSC).
- Ensure DVD player is not connected through VCR.

PICTURE SWING
- Relocated the unit further away from the possible interference or emission source (e.g. Radio, Power Amplifier, radiator etc.)

DISC CANNOT BE PLAYED
- Ensure the disc label is upwards.
- Clean the disc.
- Check if the disc is defective by trying another disc.

NO SOUND
- Check the Audio cable connections between your DVR and TV.
- Check the Audio Setup should be in Analog mode (see DVD Main Page - Audio Setup - Audio out)
- If using a Hi-Fi amplifier, try another sound source.
- Check that DTS is selected in the Audio menu if a DTS disc is played.

DISTORTED OR B/W PICTURE
- The disc format does not match the TV-set used (PAL/NTSC).

NO RETURN TO START-UP SCREEN WHEN DISC IS REMOVED
- Check to see if the program requires another disc to be loaded.
- Reset by unplugging the player from the power, then connect the power again.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL
- Aim the remote control directly at the sensor on the front of the player.
- Avoid all obstacles which may interfere with the signal path.
- Inspect or replace the batteries.

NO AUDIO AT DIGITAL OUTPUT
- Check the digital connections
- Check the Digital Out menu to make sure that the digital output is correctly set.
- Check if the audio format of the selected audio language matches your unit capabilities.

THE DISC IS STUCK INSIDE THE PLAYER
- In case the disc is stuck inside the tray, please switch off the unit, unplug the power cord and wait for 2 minutes. The player will resume normal operation after switching on.

NO TV/CABLE SIGNAL CAN BE RECEIVED
- Check the RF in/out cable connections on the rear panel of the DVR.
- Please double check the In and Out directions whether it was swapped or not.
- Tuner IN should be connected to Antenna or Cable TV wall socket.
- Tuner OUT should be connected to TV.
- If power off the unit, the quality of TV/cable signal will be degraded.

ALL CABLE TV CHANNELS LOOKS BAD
- You may have a HRC or IRC cable signal type.
- You need to change the cable type from STD to HRC or IRC (see DVR Main Page - DVR Setup - TV Cable Mode).
- Please do the auto channels search again after changed the cable type.

WANT TO BACK TO FACTORY DEFAULT SETTINGS AND ERASE ALL THE RECORDED PROGRAMS AS WELL
- Reset the unit to factory default settings
- Then you need to redo Auto Channels Search again

YOU HAVE FORGOTTEN THE PARENTAL PASSWORD
- You can set the DVR back to the factory default settings and reset all your setup options with the factory password 76418.

DISC YOU CAN PLAY

While advances have been made to ensure that your disc player is compatible with the largest number of discs possible, however it cannot be guaranteed that you will be able to play discs which might not be compliant with audio CD standards. In the case of writable and rewritable discs, compatibility with this player depends on the DVD writer, the right software and the disc used.

DVD-Video

Digital video discs - 12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high-density optical discs on which high quality picture and audio are recorded by means of digital signals.

DVD-R, DVD-RW

Most DVD-R and DVD+R (one recording only), DVD-RW and DVD+RW discs (rewritable). Depending on the DVD writer and discs used. Recordings using DVD-R and DVD-RW discs must be made in Video DVD mode. Recordings using DVD+RW discs must be made in accordance with the specifications for DVD+RW discs with a 4.7 GB capacity.

Video CD(VCD)

VCD stands for Video Compact Disc on which contains video associates with still images, audio tracks and interactive menus.

Audio CDs

Audio CDs (8 and 12 cm).

CD-R & CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable). This player can play most CD-R discs. CD-Rs written during a multi-session recording can also be played, provided that the session has ended before the disc is played (depending on the write software). However, depending on the condition of the CD writer, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again.

- Irrespective of the actual recording capacity of the CD-R, do not use its full capacity.
- CD-Rs should be preferably used instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD write software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.

JPEG Files

CD-R and CD-RW with JPEG files. Certain JPEG files, including progressive JPEG files, cannot be read by this player.

MP3 Files

CD-R and CD-RW discs containing audio files in MP3 format. As for CD-R MP3 discs, please follow all the recommendations for CD-R above, along with the comments below:

- Your MP3 files should be ISO 9660 or JOLIET format. ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, as well as with Apple Mac. These two formats are the most widely used.
- MP3 filenames should not exceed 12 characters, and should end with the ".MP3" extension. General name format: "Title.MP3". When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (. , / , \ , = , +).
- Use a decompression transfer rate of at least 128kB/sec (kilobytes/second) when recording MP3 files. Sound quality with MP3 files basically depends on the rate of compression / decompression you choose. Obtaining audio CD quality sound requires an analog/digital sampling rate, that is converted to MP3 format, of at least 128kB/sec and up to 160kB/sec. Choosing higher rates, such as 192 kB/sec or more, will rarely produce better sound quality. Conversely, files with sampling rates below 128kB/sec will not play properly.
- Do not try recording copyright-protected MP3 files.
  "Secured" files are encrypted and code-protected to prevent illegal copying. You must not copy such files.

Important:

The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (i.e. degraded sound quality and even, in some cases, inability of the player to read the file).

LIMITED WARRANTY

Who is Providing This Warranty?

- Orbyx Electronics, LLC (“Orbyx), as the distributor of this Centrios™ product (your “Product”).

What Does This Warranty Cover?

- This warranty covers defects in materials or workmanship in your Product under normal use and conditions.

What is the Period of Coverage?

- This warranty covers your Product for 12 months from the original purchase date.

Who Is Covered?

- This warranty covers the original consumer purchaser. Coverage terminates if you sell or otherwise transfer your Product.

What Will We Do To Correct Problems?

- We will repair your Product or replace your Product with a new or reconditioned equivalent product, at our option.

How Do You Get Service?

- Call Orbyx TOLL FREE at 1-866-363-3059 for instructions for obtaining warranty service from Orbyx’s authorized service providers.
- Or, return your Product directly to the retail store from which you purchased the Product.
- When you obtain service for your Product, you must provide a purchase receipt (or other proof of the original purchase date) and a description of the defect(s).

What Does This Warranty Not Cover?

- This warranty DOES NOT COVER:
- damage due to misuse, abuse, alteration, unauthorized repair, or accident (such as improper electrical current);
- damage due to “acts of God” (such as lightning) or other contingencies beyond our control;
- cosmetic damage;
- externally generated static, signal reception or antenna problems not caused by your Product; or batteries.
- This warranty also DOES NOT COVER, and in no case will we be liable for, any incidental damages (such as transportation costs to and from an authorized service provider, or loss of time) or consequential damages (such as costs of repairing or replacing other property which is damaged, including tapes, discs, speakers not included with your Product or other accessories, or external electrical systems) resulting from the use of your Product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- Defacing the serial number, or using your Product for commercial or institutional purposes, voids this warranty.

Are There Other Warranties?

- There are no express warranties other than those expressed herein. Neither the sales personnel nor any other person is authorized to make any other warranties or to extend the duration of any warranties.
- ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY (AN UNWRITTEN WARRANTY THAT A PRODUCT IS FIT FOR ORDINARY USE), ARE LIMITED TO 90 DAYS. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

How Does State Law Apply?

- This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

LIMITED WARRANTY

ORBYX ELECTRONICS WARRANTY

ORBYX Electronics warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any ORBYX Electronics store or dealer and the product will be repaired without charge for parts and labour. ORBYX Electronics reserves the right to charge for transportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through ORBYX Electronics' company owned stores and dealers and to a product that is presented for repair in a country where ORBYX Electronics offers the product for sale. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, province and other governmental entities in which ORBYX Electronics operates. This warranty is subject to all statutory rights you may have in the country of purchase.

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For parts, service, and general inquiries please call 1-866-363-3059 or visit us on the web at www.orbyxelectronics.com

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